Category	Citation of document with in	dication, where appropriate,	Relevant	CLASSIFICATION OF THE
	of relevant pass	ages	to claim	APPLICATION (Int.Ci.7)
X	EP 1 064 994 A (NIC 3 January 2001 (200 * page 2 paragraph		1-3,5-13	B01D53/04 B01D53/26 B01D53/28
	6; examples 1-8; ta			B01J20/10 B01J20/08
X	US 5 632 802 A (GRG 27 May 1997 (1997-0 * column 4, line 18		1,4-13	
Α .	US 6 238 460 B1 (DE 29 May 2001 (2001-0 * column 2, line 40		1	
Α .	EP 1 166 845 A (THE 2 January 2002 (200 * page 3, paragraph 23 *		1,5,6	
A	EP 1 184 067 A (THE 6 March 2002 (2002- * claims 1,2 *		1,7,8	TECHNICAL FIELDS
	Ť			SEARCHED (Int.Cl.7)
A	EP 0 992 274 A (AIR 12 April 2000 (2000 * page 2, paragraph 38 *		1,7,8,13	B01D B01J
	·			
		•		
		·		
	The present search report has	been drawn up for all claims		
	Place of search	Date of completion of the search		Examiner
. .	THE HAGUE	16 September 2003	3 Doo	lan, G
X:pan Y:pan	CATEGORY OF CITED DOCUMENTS ticularly relevant if taken alone ticularly relevant if combined with anot ument of the same category	T : theory or principle E : earlier patent doc after the filling dat her D : document cited is L : document cited for	cument, but publi te n the application	
	hnological background			•

L

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 03 25 2906

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

16-09-2003

	Patent document cited in search report		Publication date		Patent fam member(s		Publication date
ΕP	1064994	A	03-01-2001	JP EP US	2001009231 1064994 6344073	A2	16-01-2001 03-01-2001 05-02-2002
US	5632802	Α	27-05-1997	us	5807422	Α	15-09-1998
US	6238460	B1	29-05-2001	NONE			
EP	1166845	Α.	02-01-2002	US CN EP JP	6511640 1330970 1166845 2002079032	A A1	28-01-2003 16-01-2002 02-01-2002 19-03-2002
EP	1184067	Α .	06-03-2002	US US AU CN EP JP ZA AU CN JP	-	A A A A	25-06-2002 13-08-2002 07-03-2002 27-03-2002 06-03-2002 28-05-2002 13-02-2002 07-03-2002 03-04-2002 08-05-2002 13-02-2002
EP	992274	Α .	12-04-2000	US BR CA CN EP JP JP KR TW	6106593 9904439 2284351 1259649 0992274 3308248 2000107546 2000028859 455505	A A C A ,B A1 B2 A A	22-08-2000 29-08-2000 01-04-2003 12-07-2000 12-04-2000 29-07-2002 18-04-2000 25-05-2000 21-09-2001